

# A METHOD FOR DOWNLINK POWER ALLOCATION IN A CODE DIVISION MULTIPLE ACCESS (CDMA) COMMUNICATION

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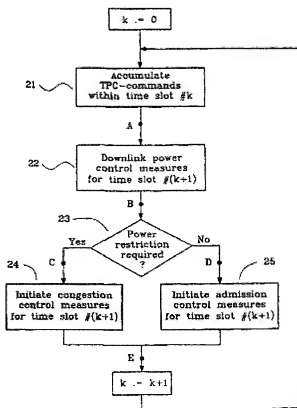
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The present invention relates to a method in a CDMA-based communication system for power allocation and control of the downlink channels of a base station having a fixed maximum permitted downlink power level. The method includes the steps of estimating the total needed downlink power for a subsequent time interval and, if necessary, restricting the downlink power for selected subsets of user equipments by means of rejecting their requests for a downlink power increase. Admission and congestion control is done by means of analysing and evaluating the number of rejected power requests from said user equipments.



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